



# What Does a Combustion Process Entail

Specifically in Reference To:

1. Historic Resources
2. Wildlife



Electrical Generation Facilities with a rated capacity not exceeding 20 megawatts that generates electricity only from biomass, energy from waste, or municipal solid waste.



## Historic Resources:

1. What is the maximum geographic area where your project could potentially have an effect on historic properties, if any.
2. What is the full extent of the project.
3. Material Storage Facilities
4. Access Roads
5. Visual and audial effects
  1. Visual lighting @ night
6. Lighting and Electrical Lines
7. Ground Disturbance
8. Wetland Mitigation



## 20 Megawatt Facility



## Fuel Usage Calculations

Assumptions:

- Btu/Lb = 4500
- Design Conditions
  - 900 Psig @ 900 Deg F
  - Turbine Exhaust Pressure @ 1.5" Hg
  - @ 70% Turbine Efficiency
  - Steam Flow Requirements = 228,000 lb/hr
  - Btu Input = 305,000,000 Btu/hr
  - Fuel Usage 24 hr/d = 41 Trucks loads per day

**ENGLISH**  
BIOMASS PARTNERS LLC

